

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 7    | ("3331130"   "4843717").PN.   | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2006/02/21<br>20:23 |
| S2    | 7    | ("3331130").URPN.   | USPAT   | OR               | OFF     | 2006/02/21<br>20:24 |
| S3    | 12   | ("3280456"   "3331130"   "3603295"   "3686514"   "4077122"   "4216581"   "4535264"   "4584964"   "4843717"   "4992691").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/21<br>20:27 |
| S4    | 4    | ("3280456").URPN.   | USPAT   | OR               | OFF     | 2006/02/21<br>20:28 |
| S5    | 3    | ("6279234").URPN.   | USPAT   | OR               | OFF     | 2006/02/21<br>20:28 |
| S6    | 21   | ("2864162"   "3178815"   "3452435"   "3999295"   "5185931"   "5237750"   "6098289"   "6151780"   "6219920"   "6226869"   "6276060"   "6279234"   "6308414"   "6317982"   "6381849"   "6421922"   "6442840"   "6502309").PN. | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/21<br>20:29 |
| S7    | 18   | ("1331218"   "1506139"   "2914849"   "3302286"   "3331130"   "3368277"   "3979825"   "4000562"   "4005526"   "4030196"   "4150483"   "4216581").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/21<br>20:32 |
| S8    | 6    | ("1404798"   "1423363"   "3353265").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/21<br>20:34 |
| S9    | 10   | ("4628601").URPN.   | USPAT   | OR               | OFF     | 2006/02/21<br>20:40 |
| S10   | 341  | 30/133.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/02/21<br>20:40 |
| S11   | 9    | ("1238061"   "2753434"   "4097722"   "4150483"   "4198556"   "4210162"   "4219931").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/22<br>11:17 |
| S12   | 2    | ("3241234").PN.   | US-PGPUB;<br>USPAT; USOCR   | OR               | OFF     | 2006/02/22<br>11:26 |

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|-----|------|---|---|----|-----|---------------------|
| S13 | 12   | ("3678579").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>11:26 |
| S14 | 15   | ("3440681").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>11:29 |
| S15 | 12   | ("2946123"   "3440681"   "3900949"   "3975821"   "3979825"   "4030196"   "4150483"   "4216581"   "4590675"   "4628601").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2006/02/22<br>11:31 |
| S16 | 4    | ("2946123").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>11:34 |
| S17 | 12   | ("2946123"   "3440681"   "3900949"   "3975821"   "3979825"   "4030196"   "4150483"   "4216581"   "4590675"   "4628601").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2006/02/22<br>11:35 |
| S18 | 4    | ("2946123").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>11:41 |
| S19 | 2    | ("2914849").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>13:01 |
| S20 | 2    | US-3331130-\$.D.ID. OR US-4843717-\$.D.ID.  | USPAT   | OR | OFF | 2006/02/22<br>13:01 |
| S21 | 6    | ("1506139").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>13:16 |
| S22 | 4    | ("3279023").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>13:21 |
| S23 | 1    | ("2946122").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>13:23 |
| S24 | 2    | ("2807086").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>13:26 |
| S25 | 2    | ("2323046").URPN.   | USPAT   | OR | OFF | 2006/02/22<br>18:17 |
| S26 | 1285 | "83"/\$.cols. and (leaf near spring)  | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>18:30 |
| S27 | 639  | "83"/\$.cols. and (leaf near spring) and (valve or cap or cover)  | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>18:45 |

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| S28 | 570 | "83"/\$.cols. and (leaf near spring) and (valve or cab or cover)  | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:30 |
| S29 | 16  | "83"/\$.cols. and (leaf near spring) and (valve or cap or cover) and mN   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:38 |
| S30 | 0   | "83"/\$.cols. and (leaf near spring) same (valve or cap or cover or door) and (mn near2 ("10" or "20" or "30" or "50")) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:46 |
| S31 | 12  | (leaf near spring) same (valve or cap or cover or door) and (mn near2 ("10" or "20" or "30" or "50"))                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:48 |
| S32 | 17  | (leaf near spring) same (valve or cap or cover or door) and (mn near4 ("10" or "20" or "30" or "50"))                   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:49 |
| S33 | 377 | spring same (valve or cap or cover or door) and (mn near4 ("10" or "20" or "30" or "50"))                               | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:52 |
| S34 | 9   | (spring near force) same (mn near ("10" or "20" or "30" or "50"))   | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/22<br>18:56 |

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| S35 | 13   | (spring near2 force) same (mn near ("10" or "20" or "30" or "50"))              | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>19:01 |
| S36 | 19   | (spring near2 (force or tension)) same (mn near ("10" or "20" or "30" or "50")) | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>19:58 |
| S37 | 1335 | "30"/\$.cds. and (spring near2 (force or tension)) and (cover or door)          | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>20:05 |
| S38 | 192  | "30"/\$.cds. and (spring near2 (force or tension)) and guard same saw           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>20:09 |
| S39 | 277  | "83"/\$.cds. and (spring near2 (force or tension)) and guard same saw           | US-PGPUB;<br>USPAT;<br>USOCR; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/22<br>20:09 |
| S40 | 0    | diamond near scriber  | USPAT   | OR | OFF | 2006/02/23<br>10:42 |
| S41 | 75   | diamond near scriber  | USPAT   | OR | OFF | 2006/02/23<br>17:06 |
| S42 | 4    | "6032566"   | USPAT   | OR | OFF | 2006/02/23<br>17:07 |

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| S43 | 45   | ((("1506139") or ("2946123") or ("2496613") or ("3302286") or ("5153994") or ("2929140") or ("2914849") or ("2946122") or ("2807086") or ("2323046") or ("4030196") or ("6415699") or ("3447577"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2006/02/23<br>20:16 |
| S44 | 13   | ((("1506139") or ("2946123") or ("2496613") or ("3302286") or ("5153994") or ("2929140") or ("2914849") or ("2946122") or ("2807086") or ("2323046") or ("4030196") or ("6415699") or ("3447577"))).PN.   | US-PGPUB;<br>USPAT  | OR | OFF | 2006/02/23<br>20:17 |
| S45 | 1771 | 30/133,30,201,31,41,6.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR, EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB       | OR | OFF | 2007/02/14<br>12:07 |
| S46 | 1    | ("4628601").PN.   | US-PGPUB;<br>USPAT, USOCR   | OR | OFF | 2007/01/28<br>14:01 |
| S47 | 18   | ("1331218"   "1506139"   "2914849"   "3302286"   "3331130"   "3368277"   "3979825"   "4000562"   "4005526"   "4030196"   "4150483"   "4216581").PN.   | US-PGPUB;<br>USPAT, USOCR   | OR | OFF | 2007/01/28<br>14:01 |
| S48 | 6    | ("1506139").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:03 |
| S49 | 45   | ("0382288"   "0560260"   "1343175"   "1375966"   "1376628"   "1506139"   "1997096"   "2345695"   "2484610"   "2748472"   "3279056"   "3384919"   "3654699"   "4085503"   "4348810"   "4688329"   "4776095"   "4868984"   "4899442"   "5012576"   "5075971"   "5084974"   "5153994"   "5185931"   "5579581"   "5606799"   "5970616"   "6421922"   "6502312"   "6505404"   "6665938"   "6684511"   "6739053").PN. | US-PGPUB;<br>USPAT, USOCR   | OR | OFF | 2007/01/28<br>14:04 |
| S50 | 1    | ("6986206").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:04 |
| S51 | 3227 | 30/133,30,201,31,41,6,207,208,216,31,199,225,527,233.5.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPO, JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/28<br>14:22 |
| S52 | 5    | S51 and vaccum  | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPO, JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/28<br>14:05 |

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| S53 | 177  | S51 and (vacuum or suction)   | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/01/28<br>14:06 |
| S54 | 22   | ("2653380"   "2748472"   "3073026"   "3217407"   "3295200"   "3331130"  <br>"3348308"   "3368277"   "3384919"   "3440681"   "3797111"   "5088199").PN.                            | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/01/28<br>14:09 |
| S55 | 15   | ("3440681").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:10 |
| S56 | 23   | ("2297735"   "2697876"   "2748472"   "3348308"   "3384919"   "3440681"  <br>"5088199"   "D192424"   "D201278"   "D207254"   "D207775"   "D337176"  <br>"D339213").PN.             | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/01/28<br>14:11 |
| S57 | 8    | ("2748472").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:11 |
| S58 | 8    | ("2748472").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:11 |
| S59 | 26   | ("2653380"   "2748472"   "2946122"   "3073026"   "3217407"   "3280456"  <br>"3295200"   "3331130"   "3348308"   "3368277"   "3384919"   "3440681"  <br>"3797111"   "4077122").PN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/01/28<br>14:13 |
| S60 | 7    | ("3331130").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:14 |
| S61 | 5    | ("3073026").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:15 |
| S62 | 1    | ("2946122").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:15 |
| S63 | 12   | ("2946123"   "3440681"   "3900949"   "3975821"   "3979825"   "4030196"  <br>"4150483"   "4216581"   "4590675"   "4628601").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/01/28<br>14:16 |
| S64 | 7    | ("4843717").URPN.   | USPAT   | OR | OFF | 2007/01/28<br>14:22 |
| S65 | 1778 | 30/124,200,202,203,204,205,206.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/02<br>15:06 |

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| S66 | 1764 | 15/344,300.1,330,357.ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/28<br>14:27 |
| S67 | 519  | d28/58,52,53,54.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/28<br>14:27 |
| S68 | 223  | d32/5,8.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/28<br>14:27 |
| S69 | 24   | "246123"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/28<br>14:34 |
| S70 | 1787 | 30/133,30,201,31,41.6.ccls.                                  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/14<br>12:07 |
| S71 | 3230 | 30/133,30,201,31,41.6,207,208,216,31,199,225,527,233.5.ccls. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/14<br>16:38 |
| S72 | 1788 | 30/124,200,202,203,204,205,206.ccls.                         | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/02<br>18:53 |

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| S73 | 103  | "30"/\$.cols. and (leaf with spring) and hair and cut\$4 and guard       | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/02<br>18:55 |
| S74 | 12   | ("1245833"   "2941293"   "3237304"   "3360857").PN. OR ("4074427").URPN. | US-PGPUB;<br>USPAT; USOCR   | OR | OFF | 2007/08/02<br>19:02 |
| S75 | 1795 | 30/124,200,202,203,204,205,206.cols.                                     | US-PGPUB;<br>USPAT;<br>USOCR, FPRS;<br>EPC; JPC;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/02/06<br>19:07 |

2/7/08 11:04:00 AM

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